AC Power Systems for
Business-Critical Continuity

Liebert® PSI-XR

High Performance Rack & Tower UPS For Network Power Protection

Liebert PSI-XR is a compact, line-interactive UPS system designed especially for IT applications such as network closets and small data centers.

The flexible design of Liebert PSI-XR allows the unit to be configured as a self-standing tower or to be rack-mounted within a 2U space. It is available in four capacities, in both 230V or 120V models.

The UPS features an innovative line-interactive design incorporating buck/boost automatic voltage regulation technology. This protects against utility voltage fluctuation by raising and lowering utility power to the level needed by the connected equipment. It also allows the UPS to prolong battery life by maximizing its time on utility power before going to battery.

Liebert PSI-XR Standard Features:
Flexibility:

- Six to seven battery-backed outlets
- Configurable input voltage window
- Rotatable Display Panel
- Automatic Frequency Sensing
- Multiple Communications Options (Serial, USB, SNMP and Contact Closure)

Higher Availability:

- Data line surge protection
- Advance early warning of UPS systemstatus
- Full sequenced battery testing
- Lightning and surge protection
- Remote emergency power off
- User replaceable hot swappable batteries
- Ample battery backup time at full load when utility fails, for an orderly shutdown of connected equipment

Lowest Total Cost Of Ownership:

- 0.9 Output Power Factor to provide more power for your protected load, and more energy efficient operation
- Wider input voltage window
- Reduced installation time and costs
- Two-Year Warranty Standard

Ideally suited for:

- PC's
- Network workstations
- Servers
- Network closets
- Large network peripherals
- VoIP

PSI XR 2U Tower version

PSI XR 2U Rack version

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EMERSON
Network Power

Liebert® PSI XR Specifications

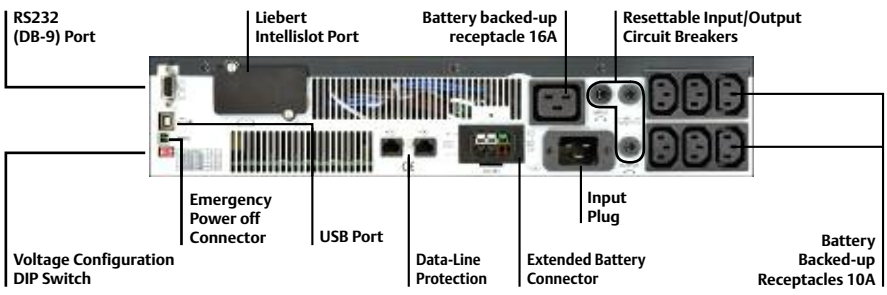
Model Number	PS1000RT3-230XR	PS1500RT3-230XR	PS2200RT3-230XR	PS3000RT3-230XR
Power Rating, VA/W	1000VA/900W	1500VA/1350W	2200VA/1980W	3000VA/2700W
Dimensions, W x D x H, mm				
Unit	440 x 490.5 x 88	440 x 490.5 x 88	440 x 700.5 x 88	440 x 700.5 x 88
Shipping	560 x 612 x 228	560 x 612 x 228	560 x 821 x 228	560 x 821 x 228
Weight, kg				
Unit / Shipping	25 / 29	28 / 32	42 / 47	46 / 51
Input AC Parameters				
Surge Protection	220J			
Voltage Range Without Battery Operation	165 to 300 VAC (configurable)			
Frequency Range	45~65Hz, (±0.5Hz)			
Input Socket	IEC-320-C14	IEC-320-C14	IEC-320-C20	IEC-320-C20
Output Sockets	(6) IEC-320-C13	(6) IEC-320-C13	(6) IEC-320-C13 (1) IEC-320-C19	(6) IEC-320-C13 (1) IEC-320-C19
Voltage (Normal Mode)	220/230/240 VAC (configurable)			
Voltage (Battery Mode)	220/230/240 VAC (configurable); ±5% before low-battery warning			
Transfer Time	4-6 ms typical			
On-Battery Waveform	Sinewave			
Overload Warning	>100%			
Battery Parameters				
Type	Valve-regulated, nonspillable, lead acid			
Quantity x Voltage x Rating	4 x 12 x 7.2	4 x 12 x 9	8 x 12 x 7.2	8 x 12 x 9
Recharge Time	5 hours to 90% of rated capacity, after full discharge into resistive load			
Battery Backup Time				
Environmental				
Operating / Storage Temperature, °C	0 to 40 / -15 to 40			
Relative Humidity	0% to 90%, non-condensing			
Operating Altitude	Up to 3000m at 35°C without derating			
Audible Noise	<40 dBA, internal fan(s) Off; <45 dBA, internal fan(s) On			
Agency				
Safety	IEC62040-1-1			
EMC	IEC/EN/AS 62040-2 2nd Ed Class A			
Transportation	ISTA Procedure 1A Certification			
Warranty	2 years standard (+ 1 year warranty extension available)			
Packaging	User Manual on CD, Software CD, DB9 Serial cable, USB Cable, Tower Stands, Rack Handles w/ mounting hardware, Safety Instruction Sheet, Environment protection sheet, REPO mate socket, (2) IEC output cables for 1000/1500VA and (3) IEC output cables for 2200/3000 VA, for PS2200/3000: (1) "Shucko" CEE 7/7 to IEC-320-C19 input cord and(1) UK plug to IEC-320-C19 input cord			

Liebert® PSI XR Battery Cabinet Specifications

Model Number	PSRT3-24VBXR	PSRT3-48VBXR
Used w/UPS Model	PS1000RT3-230XR / PS1500RT3-230XR	PS2200RT3-230XR / PS3000RT3-230XR
Dimensions, W x D x H, mm		
Unit / Shipping	440 x 490.5 x 88 / 560 x 675 x 228	
Weight, kg		
Unit / Shipping	29 / 33	
Batteries		
Type	Valve-regulated, nonspillable, lead acid	
Quantity x Voltage x Rating	8 x 12 x 7.2	8 x 12 x 7.2
Battery Manufacturers	CSB, YUASA or Equivalent	
Environmental		
Operating / Storage Temperature, °C	0 to 40 / -15 to 40	
Relative Humidity	0% to 90%, non-condensing	
Maximum Operating Altitude	3000m at 35°C without derating	
Agency		
Safety / Emissions	IEC/EN/AS 62040-1-1 / IEC/EN/AS 62040-2 2nd Ed Class A	
Transportation	ISTA Procedure 1A Certification	

Battery Runtime Chart (Runtimes are in minutes, assuming fully charged batteries at 25°C)

Number of batteries	PS1000RT3-230XR	PS1500RT3-230XR	PS2200RT3-230XR	PS3000RT3-230XR
Internal Battery (half/full load)	15 / 6	13 / 5	14 / 5	13 / 5
1 Cabinet (half/full load)	73 / 31	55 / 18	45 / 15	31 / 12
2 Cabinet (half/full load)	129 / 65	95 / 46	67 / 29	56 / 18
3 Cabinet (half/full load)	181 / 96	131 / 64	95 / 48	73 / 31
4 Cabinet (half/full load)	233 / 124	167 / 82	143 / 72	95 / 47
5 Cabinet (half/full load)	285 / 151	203 / 106	167 / 84	113 / 56
6 Cabinet (half/full load)	336 / 179	239 / 124	191 / 102	131 / 65



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- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
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